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CATALOGUE
of
FIELD *and* GARDEN

SEEDS

FERTILIZERS IMPLEMENTS
INCUBATORS *and* BROODERS

POULTRY SUPPLIES

SPRAYERS
SPRAYING MATERIALS

THE PHILIPS-THOMPSON COMPANY
FOURTH *and* FRENCH STREETS
WILMINGTON DELAWARE

etable Seed Trials
Shoemaker
8 1930

To Our Customers:

It is our desire to execute orders with the best of attention and to serve our patrons promptly. At certain "rush" seasons delays are sometimes unavoidable, and this is especially true in the seed and implement department during the Spring months, particularly on Wednesdays and Saturdays—"market days." At such times we cannot undertake to fill general orders for seeds right over the counter, and our customers will save themselves many annoying delays if they will go through our price list and, as far as possible, make up their general order of seeds and put it into our hands at least a week before delivery is wanted. In this way the order will receive more careful attention, be packed, and marked for delivery to the customer at such time as he may specify. ORDER EARLY.

DELIVERIES. We make no charge for delivery of general orders to customers within the City and to the Freight Stations for shipment to outside points, the purchaser paying the freight charges.

PARCEL POST. No extra charge for postage on small Vegetable Seeds at prices in this List by the ounce, quarter-pound and pound; but for Peas, Beans, Corn, Onion Sets and other goods add 8 cents for the first pound and 1 cent for each additional pound, or 10 cents for the first quart and 2 cents for each additional quart, to cover cost of mailing.

QUANTITY BASIS. Half-pound (of one variety) sold at pound rate, ½ pecks at peck rate, ½ bushels at bushel rate.

NON-WARRANTY. While we use great care to procure seeds of high germination and purity, and those true to name, there are so many conditions of planting and growing beyond our control, we give no warranty, express or implied, as to description, quality, or productiveness of the seeds we offer and cannot be responsible in any way for results. If the purchaser is not willing to accept them under these conditions they should be returned immediately in the original package.

Price List for 1930

FOR THE HOME GARDEN

which by reason of limited space is restricted in the number of varieties to be selected we especially recommend the following:

BEANS—Giant Snap-Short, Prolific Black Wax, Fordhook Bush Lima, Dreer's Imp. Pole Lima.
PEAS—Early Bird, Peter Pan, Gradus.
CORN—Genesee Early Sugar, Evergreen, Golden Bantam.
BEET—Early Egyptian, Genesee Early Wonder, Detroit Dark Red.
CABBAGE—Jersey Wakefield, Danish Ballhead.
CARROT—Half-long Coreless, Impr. Long Orange.
CELERY—Improved White Plume, Winter Queen.
CUCUMBER—Early Fortune, Improved Long Green.
EGG PLANT—Genesee Early Beauty.
KALE—Dwarf Siberian.
LETTUCE—Genesee Early Curled, Big Boston, Genesee Wonderful.
MUSKMELON—Fordhook, Hearts of Gold.
WATERMELON—Genesee Sweet, Tom Watson.
ONION—Genesee White Globe, Yellow Prizetaker.
PARSNIP—Genesee Large Sugar.
PEPPER—Genesee Mammoth.
PUMPKIN—Improved Cushaw, Sweet Potato.
RADISH—Genesee Early Forcing, White Box, Icicle, Scarlet Turnip (white tipped).
SQUASH—Silver Custard, Red Hubbard.
TOMATO—Bonny Best, Scarlet Beauty, Stone.
TURNIP—Purple Top White Globe, Golden Ball.

PLEASE READ paragraphs "TO OUR CUSTOMERS" on opposite page regarding Deliveries, Parcel Post Rates, etc.

BEANS—DWARF GREEN-POD

	Qt.	Pk.	Bus.
Genesee Extra Early, round pod	$.70	$5.40	.....
Giant Snap-Short, round pod	.65	4.50	.....
Early Red Valentine, round pod	.60	4.00	.....

BEANS—DWARF WAX-POD

Genesee Kidney Wax, round pod	.65	4.50	.....
Genesee Golden Wax, flat pod	.60	4.00	.....
Prolific Black Wax, round pod	.60	4.00	14.00

LIMA BEANS—DWARF OR BUSH

Fordhook Bush Lima	.75	5.00	18.00
New Century Bush Lima	.65	4.25	16.00

BEANS—POLE

Genesee Early Evergreen Lima	.60	3.80	14.00
Dreer's Improved Pole Lima	.60	3.80	14.00
King of the Garden Lima	.60	3.80	14.00
Kentucky Wonder, green pod	.50	3.50	14.00

WINTER SHELL BEANS

Boston Navy or Pea Bean	.40	3.60	.....
Large White Marrow	.50	3.25	.....

PEAS—EXTRA EARLY

	Qt.	Pk.	Bus.
Genesee Extra Early, 2 ft.	$.35	....	.....
Early Bird, 2 ft.	.35	2.50	9.00
Improved Alaska, 2 ft.	.35	2.50	.....
Wonderful, (Crop failure)			

PEAS—SECOND EARLY

Excelsior, 15 in.	.30	2.00	.....
Genesee Gem, 18 in.	.30	2.00	.....
Gradus, 2 ft.	.35	2.50	.....
Thomas Laxton, 2 ft.	.35	2.50	9.00
Peter Pan, 18 in.	.40	2.80	.....
Laxtonian, 18 in.	.40	2.80	.....

PEAS—MAIN CROP

Genesee Advancer, 2 ft.	.30	2.00	.....
Genesee Champion, 21 in.	.30	2.00	.....
Dwarf Telephone, 21 in.	.35	2.50	.....
Mam. Sugar Mar. 3½ ft.	.35	2.50	.....
Telephone, 4 ft.	.35	2.50	.....

SUGAR CORN

Genesee Extra Early	.30	2.00	.....
Kendel's Early Giant	.30	2.00	.....
Howling Mob	.30	2.00	.....
Golden Bantam	.30	2.00	.....
Golden Giant	.30	2.00	.....
Country Gentleman	.30	2.00	.....
Improved Evergreen	.30	2.00	.....
Stowell's Evergreen	.25	1.80	.....

USE "CRO-TOX" ON YOUR SEED CORN—See Page 4.

ASPARAGUS

	Oz.	¼ lb.	Lb.
Genesee Thick-Stem	$.10	$.25	$.75
Barr's Mammoth	.10	.25	.75
Palmetto	.10	.25	.75
Giant Argenteuil	.10	.25	.75
Mary Washington, pedigreed	.20	.60	2.00

ASPARAGUS ROOTS, Page 4.

BEETS FOR TABLE

Genesee Early Wonder	.10	.30	.90
Lentz Blood	.10	.30	.90
Extra Early Eclipse	.10	.30	.80
Crosby's Ex. Early Egyptian	.10	.30	.90
Detroit Dark Red	.10	.30	.90
Crimson Globe	.10	.30	.80
Half-Long Blood	.10	.30	.80
SWISS CHARD	.10	.30	.80

BEETS FOR STOCK

(10 lbs. or more 40c per lb.)

Genesee Improved Sugar	....	.20	.60
Golden Giant Mangel	....	.15	.50
Red Giant Mangel	....	.15	.50

BRUSSELS SPROUTS

Improved Half-Dwarf	.20	.60	....

CABBAGE

Sel. Early Jersey Wakefield	.25	.75	2.25
Charleston or Large Wakefield	.25	.75	2.25
Early Flat Dutch	.25	.75	2.00
Early Summer	.25	.75	2.00
Copenhagen Market	.30	.90	3.25
Surehead	.25	.75	2.00
Danish Ballhead (short stem)	.30	.90	3.00
Perfect Late Flat Dutch	.25	.75	2.00
Large Late Drumhead	.20	.60	2.00
Genesee New Savoy	.30	1.00	3.50

CARROT

Early Half-Long Coreless	.10	.35	1.00
Selected Early Scarlet	.10	.35	1.00
Danver's Half-Long	.10	.30	.80
Genesee Thick-Set	.10	.35	1.00
Improved Long Orange	.10	.30	.90
Guerande or Oxheart	.10	.30	.90

CAULIFLOWER

	¼-pkt.	Pkt.	Oz.
Early Snowball	.10	.25	2.00

CELERY

	Oz.	¼ lb.	Lb.
Improved White Plume	$.25	$.70	$2.50
Golden Self-Blanching	.50	1.40	4.50
Winter Queen	.25	. 70	2.25
Giant Pascal	.25	.70	2.25
Flavoring	....	.15	.40
CHARD, Swiss	.10	.30	.80

CORN SALAD

Large Seeded	.15	.45	....

CUCUMBER

Early Fortune	.15	.40	1.25
Improved White Spine	.15	.40	1.25
Improved Long Green	.15	.40	1.25
Green Prolific (short green)	.15	.40	1.25
Genesee Pickle	.10	.30	1.00
Gherkin or Burr	.15	....	....

EGG PLANT

Early Black Beauty	.40	1.30	4.75
New York Impr. Large Purple	.40	1.30	4.75

ENDIVE

Improved Green Curled	.10	.35	1.20
Broad Leaf	.10	.35	1.20

HERBS, Page 4.

KALE (Dwarf)

Siberian (German Greens)	.10	.25	.80
Green Curled Scotch	.10	.25	.80

KOHLRABI

Early White Vienna	.20	.60	2.00

LEEK

American Flag	.20	.65	....

LETTUCE

Genesee Early Curled	.15	.40	1.25
Grand Rapids	.15	.40	1.25
*Big Boston	.15	.40	1.25
*All Heart	.15	.40	1.25
*Wonderful (or Los Angeles)	.15	.50	1.50
*Improved Hanson	.15	.40	1.25
*Genesee Iceberg	.15	.40	1.25
Romaine or Cos	.15	.40	1.25

(Head Lettuce marked *)

MUSKMELON or CANTALOUPE	Oz.	¼ lb.	Lb.
Improved Jenny Lind	$.15	$.40	$1.20
Fordhook	.15	.40	1.20
Rocky Ford	.10	.30	1.00
Hearts of Gold	.15	.40	1.30
Honey Dew, green flesh	.15	.40	1.30
Paul Rose	.10	.30	1.00
WATERMELON			
Genesee Sweet	.10	.25	.80
Improved Dixie	.10	.25	.80
Kleckley Sweet	.10	.25	.80
Tom Watson	.10	.25	.80
Round Light Icing	.10	.25	.80
Long Light Icing	.10	.25	.80
Colorado Preserving Citron	.10	.25	....
MUSTARD			
White London	.10	.25	....
OKRA OR GUMBO			
Dwarf Green Prolific	.10	.25	.70
Perfected Mammoth Pod	.10	.25	.70
ONION			
Improved Silverskin	.25	.80	2.75
Genesee White Globe	.30	.90	3.00
Genesee Yellow Globe	.25	.70	2.25
Yellow Globe Danvers	.25	.70	2.25
Mammoth Yellow Prizetaker	.25	.70	2.25
ONION SETS (See Page 4)			
PARSLEY			
Genesee Moss Curled	.10	.25	.75
Hamburg (edible root)	.15	.35	....
PARSNIP			
Genesee Large Sugar	.10	.25	.65
Hollow Crown	.10	.25	.65
PEPPER			
Bullnose (Pungent)	.30	1.00	3.50
Ruby King (Sweet)	.30	1.00	3.50
Genesee Mammoth (Mild)	.50	1.50	....
Long Red Cayenne (Hot)	.30	1.00	....
PUMPKIN			
Genesee Sweet Potato	.15	.35	1.10
Cushaw, green striped	.15	.35	1.20
Yellow Crookneck	.15	.35	1.20
Genuine Mammoth	.15	.35	1.20
Winter Luxury	.10	.30	1.00
Connecticut Field	.10	.20	.65

RADISH—RED VARIETIES	Oz.	¼ lb.	Lb.
Genesee Early Forcing	$.10	$.30	$1.00
Vick's Scarlet Globe	.10	.25	.75
Scarlet Turnip, white-tipped	.10	.25	.75
French Breakfast	.10	.25	.75
Crimson Giant	.10	.25	.75
Long Bright Scarlet	.10	.25	.75
Chartiers Improved	.10	.25	.75
China Rose Winter	.10	.25	.75
RADISH—WHITE VARIETIES			
Genesee White Box	.10	.25	.75
Genesee Icicle	.10	.25	.75
Large White Globe	.10	.25	.75
Strasburg Improved	.10	.25	.75
Celestial or White Chinese	.10	.25	.75
Black Spanish	.10	.25	.75
SALSIFY			
Mammoth Sandwich Island	.20	.60	2.00

SPINACH	¼ lb.	lb.	10 lb.
Bloomsdale Savoy	$.10	$.30	$2.50
"Princess" Long Standing	.15	.35	3.00
Victoria Long Standing	.10	.30	2.50

SQUASH	Oz.	¼ lb.	Lb.
Silver Custard (Pattypan)	.10	.30	.90
Golden Custard	.10	.30	.90
Genesee Golden Crookneck	.10	.30	1.00
Golden or Red Hubbard	.10	.30	1.00
Improved Green Hubbard	.10	.30	1.00
Cocozella, Italian Marrow	.15	.40	....
TOMATO			
Genesee Early Dawn	.30	1.10	3.75
Spark's Earliana	.30	1.10	3.75
Early Jewel	.25	.85	3.00
Bonny Best	.30	1.00	3.50
Perfected Stone	.25	.85	3.00
Scarlet Beauty	.25	.90	3.25
Matchless	.25	.90	3.25
Greater Baltimore	.25	.90	3.25
Red Plum	.45	1.40	....
Yellow Pear	.45	1.40	....
Yellow Plum	.45	1.40	....

TURNIP	Pkt.		
Imp. Purple Top White Globe	.10	.20	.50
Purple Top Flat or Strap Lf.	.10	.20	.50
Golden Ball	.10	.20	.50
Large Amber Globe	.10	.20	.50
Purple Top Yellow Rutabaga	.10	.20	.60

SEE RECOMMENDATION FOR THE HOME GARDEN ON PAGE 1

HERBS	Pkt.	Oz.	¼ lb.
Anise	$.10	$.20	$.60
Caraway	.10	.15	.30
Dill	.10	.15	.30
Mustard	....	.10	.25
Sage	.10	.35	1.00
Sweet Basil	.10	.20	.60
Sweet Marjoram	.10	.25	.75
Summer Savory	.10	.20	.50
Thyme	.10	.45	1.25

ONION SETS (Prices on Application)	Qt.	Pk.	32 lb. Bu.
Yellow Globe			
Japanese (Yellow)			
White Globe			

ASPARAGUS ROOTS 2-year-old size	Doz.	100	500
Genesee Thick Stem	$.30	$1.50	$5.50
Barr's Mammoth	.30	1.50	5.50
Palmetto	.30	1.50	5.50
Giant Argenteuil	.30	1.50	5.50
Washington Pedigreed	.50	2.50	8.50

Prices on Larger Quantities on Application.

CABBAGE PLANTS, Extra Early Frost-Proof.

Place your orders early.

These plants are grown in the South, out of doors, and are so hardy that they may be set out in March or early April, a month before it is safe to put out our home-grown plants.

	Doz.	100	500	1000	2500
Prices	$.10	$.50	$1.50	$2.25	$5.00

SPECIAL:—In lots of 5000 we quote the low price of $1.15 per 1000 plants f. o. b. growing station in Georgia, buyer paying expressage.

SEED POTATOES

Northern grown, from selected Seed Stock. Noted for their strong vitality, productiveness and freedom from disease.

(Prices on application)	Pk.	Bu.	150 lb. Sack
Early Bovee			
Spaulding Rose			
Irish Cobbler			
State of Maine			
Green Mountain			
Sir Walter Raleigh			
Gold Coin			

A LARGER AND BETTER POTATO CROP
may be had by treating your seed with

DUBAY SEMESAN BEL.

See Page 10 for Price List

SEED CORN (Prices on Application)	Qt.	Pk.	56 lb. Bu.
Reid's Yellow Dent			
Golden Dent			
Red Cob Ensilage			

DUBAY

SEMESAN JR. used on your Seed Corn will improve the quality and yield. Price list on Page 10.

CRO-TOX

PROTECTS SEED CORN against the depredation of Crows, Blackbirds, Moles, Grubworms, etc. It is non-poisonous, therefore will not kill animal-life; it repels the pests that are so destructive to seed corn after planting. Will not clog seed drills. Approximate cost 10c per acre to insure against replanting.

$1.00 size treats 1 Bu. Corn
$1.50 size treats 2 Bu. Corn

SELECTED FARM SEEDS

	Qt.	Pk.	Bushel
Western Seed Oats	$.10	$.30	$.85-32 lbs.
Seed Rye	.15	.50	1.60-56 "
Barley	.15	.40	1.20-48 "
Buckwheat	.15	.50	1.60-48 "
Mammoth Sunflower	.15	.80	2.25-25 "
Kafir Corn	.10	.50	1.50-56 "
Broom Corn			50 "
Sugar Cane or (Sorghum)	.15	.80	2.60-50 "
Canada Field Peas	.20	1.20	3.80-60 "

COW PEAS (Prices on application)	
New Era	60 lbs.
Whippoorwill	60 "
Grey Crowder	60 "

SOY BEANS			
Early Wilson	.20	1.00	3.25-60 "
VETCH, Hairy (Winter)	.30	1.80	6.50-60 "
DWARF ESSEX RAPE	.20	1.20	4.00-50 "

FORAGE CROPS form a very valuable addition to the food supply on the farm, and especially as supplementary to a short hay crop. Frequently two kinds of seed are sown together, and the following are suggested as suitable combinations.

In **March** or **Early April**
Plant **Canada Field Peas** with **Oats.**

In **May** or **June**
Plant **Soy Beans** or **Cow Peas** with **Oats, Barley, Sugar Cane,** or **Kafir.**

In **September** or **October**
Plant **Winter Vetch** with **Rye.**

GRASS SEEDS FOR THE LAWN AND FARM

It has been our constant endeavor for many years to obtain seeds of the highest quality to offer to our customers. Whenever possible we buy these seeds under a certificate of purity and germination, and as an additional precaution we submit samples to seed laboratories for testing.

The Grass Seeds listed below meet the general demand in this section of the country and are carried in stock by us; other varieties needed by our customers for special purposes can be secured very promptly. While the most of these are U. S. grown there are some varieties necessary for certain purposes that are imported. All our Grass Seed mixtures as listed below are made by ourselves from formulas based on careful study and recommendation of men long experienced in grass seeds. The seeds that go into them are the very highest grades, and our prices are reasonable for the high quality supplied.

MIXED LAWN GRASS SEEDS

(Sow 5 Qts. per 1000 sq. ft.; 6 Bu. per acre).

	Qt.	Pk.	Bushel
Brandywine Park Lawn Seed	.35	2.40	9.00-25 lbs.
Evergreen Lawn Seed	.35	2.40	9.00-25 "
For Shady Places	.35	2.30	8.00-22 "

WHITE DUTCH CLOVER for Lawns

¼ lb., $.15; ½ lb., $.25; lb., $.45; 10 lbs., $4.25

CLOVER SEED

	Qt.	Pk.	60 lb. Bus.
Medium Red, Domestic	$.55	$3.80	$14.50
Medium Red, Imported	.50	3.30	12.00
Alsike, Fancy	.60	4.00	15.00
Alsike, Choice,	.60	3.90	14.50
Alfalfa, Fancy	.65	4.30	16.50
Alfalfa, Choice	.65	4.20	16.00
Mammoth Red	.60	4.00	15.00
Scarlet or Crimson	.35	2.30	8.50
Sweet Clover, White Blossom	.30	1.80	6.50

COARSE-LEAVED	Qt.	Pk.	Bus.
Timothy, Fancy	$.20	$1.15	$4.00-45 lbs.
Timothy, Choice	.20	1.00	3.75-45 "
Orchard Grass	.20	1.20	3.60-14 "
English Rye Grass	.25	1.20	3.75-25 "
Domestic Rye Grass	.20	1.00	3.00-25 "
Italian Rye Grass	.20	1.00	3.00-25 "
Meadow Fescue	.20	1.10	3.25-20 "
German or Golden Millet	.20	.90	3.00-50 "
Hungarian Millet	.20	.90	3.00-48 "
Sudan Grass	.20	1.10	3.75-48 "

FINE LEAVED	Qt.	Pk.	Bus.
Kentucky Blue Grass	$.35	$2.25	$8.00-22 lbs.
Canadian Blue Grass	.30	1.90	6.75-20 "
Red Top, Fancy	.35	2.20	7.50-32 "
Red Top, Unhulled	.15	.80	2.25-14 "
Creeping Bent So. Ger.	.75	5.00	18.00-20 "
Sheep's Fescue	.25	1.40	4.50-14 "
Red Fescue	.25	1.60	5.50-14 "
Hard Fescue	.25	1.40	4.50-14 "
Wood Meadow	.40	2.50	9.00-14 "
Rough Stalk Meadow	.50	3.50	12.00-25 "

PERMANENT PASTURE GRASS MIXTURE, Qt. $.25; Pk. $1.60; Bu. (25 lbs.) $5.25.

SEEDING TABLE FOR FIELD SEEDS ON OUTSIDE BACK COVER

SELECTED LIST OF FLOWER SEEDS

	Oz.	¼ lb.	Lb.
SWEET PEAS, California Grown. Spencer Blend—A surpassingly beautiful combination of the Orchid flowering varieties	$.20	$.50	$1.50
Superb Blend—All the best colors of the Grandiflora type	.15	.40	1.00
NASTURTIUMS—Tall Varieties—All colors and shadings	.15	.40	1.00
Dwarf Varieties—A beautiful combination	.15	.40	1.00

	Pk.	¼ oz.	Oz.
Antirrhinum (Snapdragon). Giant-flowered mixed. (Annual)	.10	.20	.65
Asters. Giant Comet Double Flowered Mixed	.10	.30	1.00
Superb Late Branching Double-flowered Mixed	.10	.30	1.00
Cosmos. Early Giant or Colossal. All the varied colors	.10	.20	.50
Dianthus Barbatus or Sweet William. Double-flowered Mixed	.20	.60	2.00
Helichrysum (Straw Flower)	.10	.20	.60
Pansy. Large flowered exhibition strain. Beautiful colors and markings	.20	.40	1.25
Salvia (Scarlet Sage), Bonfire variety. A fiery profusion of spikes	.20	.75	2.50
Sweet Alyssum, Little Gem or Carpet of Snow	.10	.20	.60
Zinnia. Large double-flowered, mixed colors	.10	.25	.75
Zinnia. Giant-flowering, double. Blooms freely and continues until frost	.20	.50	1.75

SEE RECOMMENDATION FOR THE HOME VEGETABLE GARDEN ON PAGE 1.

SPRAYING MATERIALS AND THEIR PURPOSES

First determine the enemy or enemies you have to combat; then select from the materials listed on this page and the one following the remedies most efficacious in your work.

Group No. 1

SCALE INSECTS come under this heading. There are a number of kinds, the one best known in this section being the San Jose. To be really effective this spraying must be done during the dormant period,—after the foliage has dropped in the Fall and before growth starts in the Spring. Where trees are badly infested two or three applications should be made, using one of the following.

LIME SULPHUR. The old standard remedy for scale. We can furnish the liquid or powder preparation.

POWDER Dormant spraying, use 1 lb. to 4 gallons of water; for summer spraying use 1 lb. to 10 gallons of water.
Prices: Pound, $.30; 5 lb. can $1.25; 12½ lb. pkg. $1.85; 25 lbs. $3.40; 50 lbs. $6.50; 100 lb. drum $12.00.

LIQUID.. For dormant spraying use 1 gallon to 9 gallons of water; and for summer spraying dilute 1 to 40.
Prices: Quart, $.40; 1 gal., $.90; 5 gals., $3.25; 10 gals., $5.75; 55-gal. drum, $11.50.

"SCALECIDE" (Miscible Oil). The use of miscible oil is increasing. It is as effective as lime-sulphur against scale, more economical, and pleasanter to work with. (Use 1 gallon to 15 gallons of water).
Prices: Quart, $.65; 1 gal., $1.40; 5 gals., $5.75; 10 gals., $10.00; 30-gal. drum, $25.00; 50-gal. drum, $36.00.

Group No. 2

CHEWING INSECTS—Cabbage and Tomato Worms, Caterpillars, Codling Moth, etc. The following are effective remedies against these destructive pests.

ARSENATE OF LEAD (powder) An arsenic spray for fruit trees and vegetables. Dilute at the rate of 1 to 1½ lbs. in 50 gallons of water. If dusting is preferred on vegetables mix 1 lb. in 10 to 25 lbs. Hydrated Lime, according to the method of application.
Prices: ½ lb., $.20; 1 lb., $.35; 4-lb. bag, $1.00; case of 24 lbs., $5.00.

CALCIUM ARSENATE (powder). More recently introduced than Arsenate of Lead, it is superseding the latter for spraying vegetables and especially in the treatment of potatoes for the beetle. It is also taking the place of Paris Green for that purpose, because it sticks to the plant much longer and is therefore more effective; and it is less likely to burn and blight the vines. Mix 1 pound in 25 lbs. hydrated lime, or 2 pounds in 50 gallons of water.
Prices: ½ lb., $.15; 1 lb., $.25; 4 lbs., $.60; 24 lbs., $3.25.

OLEATE COATED ARSENATE OF LEAD. Especially effective against the Japanese Beetle. The coating material makes it palatable to the insect and also increases the adhesiveness of the spray.
Prices: 1 lb. jar, $.60; 2½ lb. jar, $1.10.

MAGNESIUM ARSENATE DUST MIXTURE. .For control of Mexican Bean Beetle. Will kill the beetle without burning the foliage. Apply in dust form. **Price: 1 lb. can, $.25; 4 lb. pkg., $.65.**

ACME BEAN BEETLE DUST. .For destroying this and other hard shelled insects. Apply in powder form.
Prices: 1 lb. carton, $.25; 4 lb. bag, $.65.

EVERGREEN SPRAY (Non poisonous). A pyrethrum compound. Effective against Aster Beetle, Mexican Bean Beetle and other chewing insects. Also used for control of Thrip, Aphis, Red Spider, Mealy Bug, Etc. in the garden and greenhouse. 1 oz. makes 6 gallons of spray. **Prices: 1 oz., $.35; 6 oz., $1.00; Pint, $2.00; Quart, $3.50.**

PARIS GREEN (powder). The first and best known remedy for the potato bug, but Calcium Arsenate is now taking its place for that purpose. For dusting, mix 1 pound Paris Green in 50 lbs. hydrated lime or land plaster.
Prices: ¼ lb., $.15; 1 lb., $.45; 5 lbs., $1.80; 14-lb. kit, $4.85.

INSECTROGEN. Effective against caterpillars, leaf chewing insects and slugs on rose bushes. **Price 4 oz. $.60; ½ pint, $1.00.**

MELROSENE (liquid). An effective remedy against rose-bugs. Does not injure bloom. Mix 1 part with 20 parts of water.
Prices: Trial can (makes 1 gallon), $.50; pint, $1.00; quart, $1.75.

Group No. 3

FUNGUS DISEASES, Mildew, Blight, Rot, Mold. The following materials are used to combat these diseases attacking trees, shrubbery, etc.

SULFOCIDE. A splendid summer spray for fruit trees, berry bushes and some kinds of vegetables. It keeps them healthy and insures better quality of fruit. Dilute 1 part to 200 parts water, adding Calcium Caseinate as a spreader. Arsenate of Lead may be added when an insecticidal poison is desired.
Prices: Pint, $.60; quart, $.80; 1 gallon, $2.25; 5 gallons, $8.50; 10 gallons, $15.00.

LIME-SULPHUR (powder). Use summer strength:—3 to 4 pounds in 50 gallons of water. Prices under Group 1 above.

BORDEAUX (powder). For use on most fruits and vegetables. Mix 2½ ounces in 1 gallon of water or 1 pound in 7 gallons.
Prices: Pound, $.30; 4 lbs., $.90; 24 lbs., $4.75.

FUNGTROGEN (liquid). For controlling mildew and blackspot on rose bushes. **½ pint can, $.75; pint, $1.25; quart, $2.00**

Group No. 2 & 3 Combined

To destroy chewing insects and fungous diseases at one operation, spray with a combination of Bordeaux and Arsenate of Lead. These materials may now be had conveniently compounded in the proper proportions ready to mix with water to make an efficient spray. For this purpose we offer the following well known compounds.

PYROX (Paste form of Arsenate of Lead and Bordeaux). Wonderfully effective as an insecticide and fungicide. For most fruit trees mix 1 pound in 5 gallons of water, and for potatoes, 1 to 4.
Prices: Pound, $.45; 5 lbs., $1.75; 10 lbs., $3.00; 25 lbs., $6.50; 50 lbs., $11.00.

PESTROY (Arsenate of Lead and Bordeaux in powder form). Very effective, highly recommended. Use 1 lb. in 7 gals. of water. **Prices: ½ lb., $.25; 1 lb., $.40; 4 lbs., $1.10.**

ACME ALL ROUND SPRAY. A combination of Arsenate of Lead, Bordeaux and Nicotine Sulphate for control of both chewing and sucking insects and of fungi with one spray. Especially convenient for the small garden.
Prices: ¼ lb., $.40; 1 lb. $1.00.

Group No. 4

APHIS, Thrip, Leaf Hoppers and other forms of plant lice that suck the juice from the stem and leaf can be reached effectively only with a "contact" spray. The following sprays are very destructive to this class of insect.

BLACK LEAF 40 (Nicotine sulphate, liquid). One of the best remedies for this type of insects. It may be applied separately or in connection with any of the various summer sprays. Use 1 ounce in 6 gallons of water or liquid spray solution; ½ pound to 50 gallons. **Prices: Ounce, $35; ½ lb., $1.25; 2 lbs., $3.25; 10 lbs., $12.00.**

APHISTROGEN. Effective spray against aphis and plant lice on rose bushes. **2 oz. can $.50; ½ lb. can, $1.25.**

M·G·K QUALITY
EVER GREEN
NON-POISONOUS INSECTICIDE

A pyrethrum compound. An outstanding spray in the control of Thrip, Aphis, Red Spider, Mealy Bug, etc., in greenhouse or garden. Also effective against chewing insects.
1 oz. makes 6 gallons of spray. **Prices: 1 oz. $.35; 6 oz. $1.00; 16 oz., $2.00; 32 oz. $3.50.**

WILSON'S O. K. PLANT SPRAY. Extensively used by florists and gardeners for control of Aphis, Thrip, Red Spider, etc., in conservatory or garden. Directions for use on can.
Prices; Quart $1.00; Gallon $3.00; 5 Gal. can, $12.00.

SLUG SHOT. Applied as a dust for destroying Slugs, Cabbage and Currant Worms and soft-body insects on plants and bushes; also efficacious against lice on poultry and animals.
Prices: 1-lb. sifter top carton, $.20; 5 lbs., $.55; 25 lbs., $2.50; 100 lbs., $9.50.

MISCELLANEOUS INSECTICIDES, SPRAYS, etc.

CALCIUM CASEINATE used in spraying solutions as a spreader and sticker, greatly increases the efficacy of the spray. Use 1 lb. to 50 gallons of spray. (Directions on package). **Prices 1½ lbs., $.40; 5 lbs., $1.00.**

ANTROL. Ant exterminator. A bait of poisoned syrup is placed in small jars accessible to the "workers" who carry it to the nests, resulting in destroying the colony.
Set consisting of 4 jars and bait, $.95. 4 oz. bottle of syrup for re-baiting, $.45.

WEED KILLER. For destroying weeds and grass on walks, drives, tennis courts, etc. Mix 1 part with 40 parts of water and apply with a sprinkling can. **Quart, $.60; gallon, $1.75; 5 gallons, $7.00.**

FISH OIL SOAP. Used as a wash or spray to rid plants of insects. **1 lb. can, $.30; 5 lb. can, $1.25.**

TOBACCO DUST. For dusting on plants to destroy soft bodied insects. **1 lb., $.10; 5 lbs., $.40; 25 lbs., $1.25; 100 lbs., $4.00.**

TOBACCO STEMS. 5 lbs., $.25; 25 lbs., $.75; Bales, $1.60 per 100 lbs.

P-T-B. (Same as Hooker's Paracide). Effective in controlling peach tree borer. **1-lb. can, $.50; 5-lb. can, $2.25.**

SULPHATE OF COPPER. (Bluestone). **Pound, $.15; 5 lbs., $.65; 10 lbs., $1.20; 25 lbs., $2.50; 50 lbs., $4.50.**

POWDERED SULPHUR (For dusting). **Pound, $.10; 5 lbs., $.40; 10 lbs., $.65; 25 lbs., $1.25; 50 lbs., $2.25; 100 lbs., $4.25.**

GRAFTING WAX. ¼ pound, $.20; ½ pound, $.35; pound, $.60.

PRUNING COMPOUND. Apply with brush to cuts or other surface wounds. Qt., $.65.

TREE TANGLEFOOT (To band trees against caterpillars). **Pound, $.60; 5 lbs., $2.75.**

TANGLEFOOT FLY SPRAY (For household use). **Pint, $.60; quart, $1.00.**

CONKEY'S FLY KNOCKER (For spraying horses and cows). **Quart, $.60; 2 quarts, $.90; gallon, $1.50.**

CREONOID FLY SPRAY (For horses and cows). **Gallon, $1.35; 5 gallons, $4.50.**

FERTILIZERS

(Prices on quantities from ton lots to carloads, quoted on application)

	5 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1000 lbs.
DUGRO ODORLESS PLANT FOOD (Gracelli) A high-grade fertilizer for house and garden plants, lawn, and around trees and shrubbery,	$.45	$1.75	$2.75	$5.00	$24.00	
PURE BONE MEAL—For rose beds and lawn	.25	1.00	1.75	2.90	13.00	25.00
PERUVIAN GUANO SUBSTITUTE, for vegetables				2.75	12.00	22.00
GRAND RAPIDS TRUCK—For vegetables	.25	.90	1.30	2.25	10.50	19.00
SPECIAL POTATO—A fertilizer for tubers	.25	.90	1.30	2.00	8.50	15.50
EXCELSIOR GUANO—For field and garden crops				2.00	8.00	14.50
FISH MIXTURE—For grain and grass					8.50	15.50
ACID PHOSPHATE, 16%				1.25	5.50	10.00
SULPHATE OF AMMONIA	.30	1.35	2.35	4.25	19.00	36.00
NITRATE OF SODA	.30	1.35	2.25	4.00	18.00	34.00
MURIATE OF POTASH	.30	1.25	2.00	3.50	14.50	27.00
KAINIT	.15	.60	1.00	1.40	6.20	11.50
LAND PLASTER	.15	.60	1.00	1.40	5.60	10.50
PULVERIZED POULTRY MANURE	.25	1.00	1.50	2.50	12.00	23.00
PULVERIZED SHEEP MANURE	.25	1.00	1.50	2.50	12.00	23.00
PULVERIZED COW MANURE	.25	1.00	1.50	2.50	12.00	23.00
SHREDDED COW MANURE			1.60	2.75	13.25	25.00
TANKAGE	.25	1.00	1.75	3.25	15.00	
DRIED BLOOD MEAL	.50	1.75	3.40	6.50		
ASPARAGUS SALT	.15	.50	.75	1.25	5.75	11.00
HARDWOOD ASHES	.20	.75	1.25	2.00		

LIMOID, Hydrated lime for lawn, garden and field; also for whitewash.

Prices: 10-lb. bag $.25; 50 lbs., $.75; 100 lbs., $1.25; 1000 lbs., 10.00.

FULTON'S **Plantabbs** — **ODORLESS PLANT FOOD TABLETS. A Concentrated Food for House Plants. Prices: $.25; $.50; $1.00 (postpaid)**

PEAT MOSS, Granulated. This grade is prepared for use as a mulch in heavy soils and for top-dressing on beds or lawn. A large bale will cover about 600 sq. ft. as top dressing and about 300 sq. ft. as mulch. (We also have the grade used for litter in poultry houses).

Prices: 25 lbs. $.85; small bale $2.00; large bale $3.00.

ADCO POWDER. A 25-lb. bag mixed with leaves, grass cuttings, vines and other non-woody refuse of lawn and garden and kept moist, will gradually convert the mass into a valuable pile of manure for use in the garden. **25 lb bag $2.00; 4 bags for $7.75.**

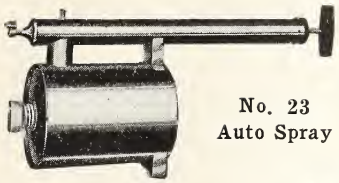
MULCH PAPER. (Gator Hide) Extensively used in private gardens and the commercial truck patch. When spread over the ground between rows of plants it not only prevents the growth of weeds but also conserves soil temperature and moisture, thereby greatly stimulating growth of the plants.

	18" wide	36" wide
Light weight, per roll (300 lineal yards)	3.50	7.00
Heavy weight, per roll (150 lineal yards)	$3.50	$7.00

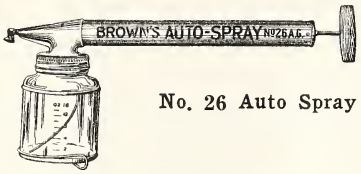
FERTILIZER SCHEDULE

	Per 1000 Sq. Ft.	Per Acre
Pure Bone Meal	25 lbs.	1000 lbs.
Sulphate of Ammonia	5 "	200 "
Nitrate of Soda	5 "	200 "
Pulverized Animal Manures	25 "	1000 "
Hardwood Ashes	25 "	1000 "
Limoid	50 "	2000 "
Asparagus Salt on beds	25 "	1000 "

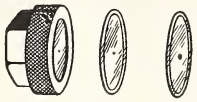
Spray Pumps and Accessories



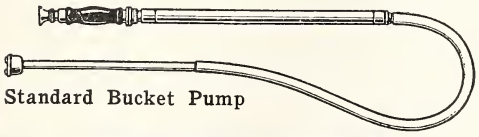
No. 23
Auto Spray



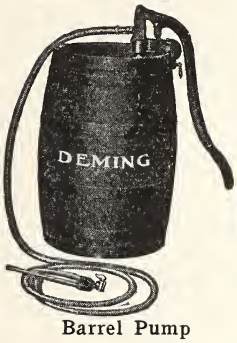
No. 26 Auto Spray



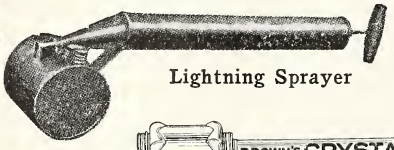
Non-Clog Nozzle



Standard Bucket Pump



Barrel Pump



Lightning Sprayer

Crystal Duster

Auto Spray No. 9

"AUTO SPRAY" COMPRESSED AIR SPRAYERS

No. 50 "Auto Spray" with Auto-Pop, 2-gal. tank, galvanized, **$4.75**; brass tank, **$6.50.**

No. 9 "Auto Spray" with Auto-Pop, 3½-gal. tank, galvanized, **$5.50**; brass tank, **$8.00.**

No. 23 "Auto Spray" 3-Qt. galvanized, **$1.75**; Brass, **$2.50.**

No. 26 "Auto Spray" 1-Qt., tin, **$.90**; with glass reservoir, **$1.10.**

Extra Extension Pipes (brass) 2-foot lengths, for No. 9 and No. 50 "Auto Spray", each **$.50.**

Standard Bucket Pump, (For spraying, whitewashing, etc.) Brass, **$4.00.**

Lightning Sprayer, Tin, quart, **$.50**; Galvanized Iron, quart, **$.65.**

"Duster Brown" Powder Blower, $1.00; Brown's Crystal Duster, $1.10.

Major Barrel Sprayer, including 12½-ft. hose and nozzle, **$15.00.**

Century Barrel Sprayer, with 1 lead hose and nozzle, **$18.00**; with 2 leads hose and nozzles, **$22.00.**

Extra Hose for Barrel Sprayers, 12½-ft. hose with couplings only, **$3.75; complete with nozzle, $4.50.**

10-foot Brass Extension Pipe (Bamboo covered), with stop-cock, **$5.00.**

Garden Hose (with couplings), ¾-inch size; 25-ft. length, **$4.00**; 50-ft. length, **$7.50.**

Spray Nozzles, Bordo, **$1.10**; Demorel, **$.80**; Simplex Straight, **$.65**; Simplex Angle, **$.75.**

Fountain Lawn Sprinkler, round, **$1.00**; half round, **$1.00.**

Japanese Beetle Traps, small size, **$1.00**; large size, **$2.00.**

Bait for Beetle Traps, small size, **$.35**; large size, **$.60.**

Caterpillar Torch, without pole, **$1.25**; with 10-foot metal pole, **$2.25.**

DO YOU NEED ANY PARTS TO PUT YOUR SPRAYER IN GOOD ORDER?

DU PONT SEMESAN DUBAY

The Seed Disinfectant Divisions of the Du Pont Co. and of The Bayer Co. have been consolidated, and the Mercuric Disinfectants for the control of diseases attacking Flower, Vegetable and Field Seeds as heretofor offered by them are now being manufactured and sold by the Bayer-Semesan Co. under the trade names shown below. Directions for use with each package. Descriptive circular furnished on application.

SEMESAN—For controlling various diseases and fungoid growth affecting flower and vegetable seeds.
Prices: 2 Oz., $.50; 8 Oz., $1.50; 1 lb., $2.75; 5 lbs., $13.00; 25 lbs., $56.25.

SEMESAN JR.—A dust treatment for preventing and controlling the ear, root and stalk rots of field and sweet corn. Prices: 4 Oz., $.50; 1 lb., $1.75; 5 lbs., $8.00.

SEMESAN BEL.—A dip treatment for control of diseases common to sweet and white potatoes, and the bulbous roots of flowers. Prices: 4 Oz., $.50; 1 lb., $1.75; 5 lbs., $8.00.

CERESAN—Dust treatment for control of bunt and smut in Wheat, Oats, Barley and Rye.
Prices: 8 Oz., $.50; 1 lb., $.75; 5 lbs., $3.00.

STIMUGERM LEGUME INOCULATION

A bacteria culture in jelly form especially selected and bred for maximum vitality and ability to form nodules and take nitrogen from the air. Economical and easy to use. Full instructions accompany each package.

CULTURES for Clovers, all varieties: ½ Bu. size, $.60; 1 Bu., $1.00; 2½ Bu., $2.25.

For Garden Soybeans, Cowpeas, Vetch, Peas and Beans, Etc. ½ Bu. size, $.35; 1 Bu., $.60; 2 Bu., $1.00; 5 Bu., $2.25.

IMPORTANT,—When ordering, be sure to state what variety you wish to inoculate, also number of bushels you will sow.

LAWN & GARDEN TOOLS AND ACCESSORIES

Magic Weeders, size A, $.20; BB, $.30; D, $.45 F, $.65		Garden Weeder	$.25
Garden Trowels	$.25	Dandelion Weeder	.20
Trucker's Transplanting Trowel	.75	Little Giant Grass Hook (Sickle)	.60
Onion Hoes, 1-prong, $.75; 2-prong	.85	Garden Spade, extra strong	1.50
Garden Hoe, 5 in. $.80; 6 or 7 in.	1.00	Spading Forks, 4-prong $1.25 and	1.75
Asparagus Knife	.40	Garden Rakes, bow frame $1.00 and	1.25
Asparagus Buncher	4.75	Wire Tooth Lawn Rake	.80
Asparagus Tape, 1000 yard spool	2.50	Wood Tooth Lawn Rake	.75
Asparagus Braid, 1000 yard spool	1.75	Bamboo Lawn Rake	.50

TREE PRUNING KNIVES

Detroit, 6 ft., $1.50; 8 ft., $1.75; 10 ft.,	$2.00
Kansas, regular handle	2.50
Kansas, with extension handle	3.00

PRUNING SHEARS

Hedge Shears, 9-in. blade	$2.25
No. 313 Pruning Shears	1.00
No. 315 Rose Shears	1.00

PLANET JR. SEEDERS AND CULTIVATORS

No. 4 Seeder, Wheel Hoe and Cultivator	$17.50	No. 11, Double Wheel Cultivator	$13.25
No. 4D Seeder only	13.75	No. 12, Double Wheel Cultivator	10.25
No. 25 Seeder, Wheel Hoe, Cultivator and Plow	21.00	No. 13, Double Wheel Cultivator	7.75
No. 31D Seeder only	9.00	No. 16, Single Wheel Cultivator	8.75
Planet Jr., Fire Fly Plow	4.00	No. 17, Single Wheel Cultivator	7.50
Planet Jr., Star Pulverizer	3.00	No. 17½, Single Wheel Cultivator	6.50
NOTE:—Extra tools for Planet Jr., carried in Stock. Repairs secured from factory promptly.		No. 18, Single Wheel Cultivator	5.50
		No. 19, Single Wheel Cultivator	5.75
		No. 119, Single Wheel Cultivator	4.50

DO YOU NEED ANY PARTS FOR YOUR PLANET JR.? LOOK IT OVER NOW.

POULTRY SUPPLY DEPARTMENT

The value of the output of the poultry industry in this country continues to increase from year to year, and manufacturers of special feeds, remedies, medicines and accessories for the poultrymen endeavor to keep apace. New articles having more or less merit are continually being put on the market, so that it is impossible for the dealer to carry all of them. The articles of merchandise we offer on the following pages we believe to be among the very best on the market; the most of them have been on the market for a number of years and the continued demand for them justifies our continuing to list them herein. Among the myriad of new articles that are offered to us continually we occasionally see something that seems to have special merit, and we add it to our list. We cordially invite an inspection of these goods at our salesroom.

BUCKEYE PORTABLE BROODER

Heated with Coal-Oil Lamp

	Capacity	Diameter	
No. 20—	60-chick	19 in.	$8.00
No. 21—	100-chick	22 in.	11.00
No. 22—	150-chick	30 in.	14.00

BUCKEYE BLUE FLAME BROODER

Coal-Oil Blue Flame Burner

	Capacity	Diameter	
No. 27A—	200-chick	34 in.	$16.75
No. 28A—	350-chick	42 in.	19.50
No. 29A—	500-chick	52 in.	21.00
No. 80 —	350-chick	42 in.	17.50
No. 81 —	500-chick	52 in.	18.50

(No. 28A and 29A have large burners)

BUCKEYE COAL-BURNING BROODERS

	Capacity	Diameter	
No. 117—	350 chicks	42 in.	$15.75
No. 118—	500 chicks	52 in.	21.00
No. 119—	1000 chicks	56 in.	26.00

ALUMINIZED METAL EGG BOX

For Parcel Post Shipping

Strong		Economical		Efficient
Capacity	1 Doz. Eggs	Price		$1.00
Capacity	1½ Doz. Eggs	Price		$1.10
Capacity	2 Doz. Eggs	Price		1.35
Capacity	3 Doz. Eggs	Price		1.60
Capacity	4 Doz. Eggs	Price		1.80

PAPER EGG BOXES

Cardboard box, 12-egg size, for delivering to consumer. (Not for parcel post shipping).

One dozen boxes, $.20 125 boxes for $1.15

Bundle of 250 boxes, $2.00

Special price quoted in lots of 1000 or over.

HUMPTY-DUMPTY EGG CARRIER

For local and parcel post deliveries

6-dozen size, $.50 12-dozen size, $.65

STRAWBOARD FILLERS & DIVISIONS

For 30-dozen size egg crates

Per set, for one 30-dozen crate	$.35
Per case of 10 sets	3.00
Cushion divisions, per doz.	.20

PARTS FOR INCUBATORS AND BROODERS

(State style and size or number of machine for which parts are wanted).

SMOKE PIPE, (2 ft. length) 4 and 5 inch ..... Black $.30; Galvanized, $.40

ELBOWS, black, 4 and 5-inch ..... .30

ROOF SADDLE, galvanized, 4 and 5-inch. Adjustable to slope of roof. 1.50

RAIN CAPS, galvanized, 4 and 5-inch ..... .50

INCUBATOR THERMOMETER, with holder; can be used in any Incubator....Price, $1.00 ($1.10, postpaid)

BUCKEYE BROODER THERMOMETER, mounted ..... Price, $1.25, postpaid

LAMP BOWLS for Incubators ..... Price, $.75; ($.85, postpaid)

LAMP BURNERS (4 styles and sizes) ..... Prices, 50c, 75c and $1.00, postpaid

LAMP CHIMNEYS (give diameter and height) ..... Price, 50c, postpaid

LAMP WICKS (specify size) ..... Prices, 2 for 5c; 30c per doz. (postpaid, 5c extra)

WICKS for **Blue Flame Oil Burner** (2 sizes) ..... 40c and 65c

Brass Connecting Rod (Buckeye Incubator) ..... Price, 50c, postpaid

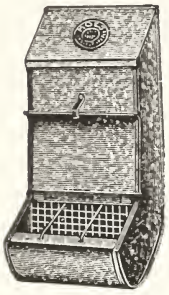
Wafer Thermostatic Discs ..... 75c per pair, postpaid

Tin Disc and Wire (heat damper for Incubator) ..... Price, 25c (30c, postpaid)

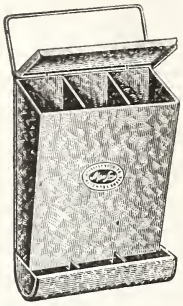
X-Ray Egg Tester ..... Price, 30c, postpaid

(Prices for other parts of Incubators and Brooders furnished on application)

ON THIS PAGE will be found a very complete line of sanitary galvanized metal food receptacles of various sizes and styles and on the next page are Drinking Founts in metal and stoneware, offering many different types and sizes from which to make selection. Indicated capacities are approximate.



Nos. 6-7-8



Nos. 1 to 5

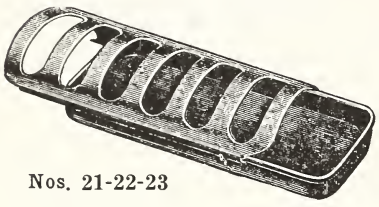
FOOD HOPPERS

For Grit, Shell, Grain, Charcoal, etc.

	Each	Six
No. 1—4 Qt., 3 spaces	$.75	$4.00
No. 2—8 Qt., 2 spaces	.75	4.00
No. 3—4 Qt., 1, 2 or 3 spaces	.75	4.00
No. 4—8 Qt., 1, 2 or 3 spaces	1.25	7.00
No. 5—5 Qt., 4 spaces	1.00	5.25

DRY MASH HOPPERS

	Each	Six
No. 6— 8 Qt.	$1.40	$8.00
No. 7—12 Qt.	1.65	9.00
No. 8—24 Qt.	2.50	13.50
No. 30— 2 Bus.	10.00	



Nos. 21-22-23

FEEDING TROUGHS

May be used for grain or mash feeds

	Length	Capacity	Each	Doz.
Collins' Chick Feeder	24 in.		$.50	$5.00
No. 21	12 in.	1½ Qt.	.25	2.50
No. 22	18 in.	3 Qt.	.40	4.00
No. 23	24 in.	4 Qt.	.50	5.00

Nos. 55-56-57

No. 55	12 in.	1 Pt.	.25	2.50
No. 56	18 in.	1½ Pts.	.35	3.75
No. 57	24 in.	1 Qt.	.45	4.50

Nos. 58-59-60

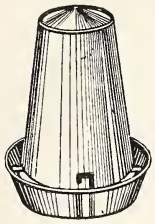
No. 58	12 in.	1 Qt.	.30	3.00
No. 59	18 in.	1½ Qt.	.40	4.00
No. 60	24 in.	2 Qt.	.50	5.00

Nos. 11-12

No. 140	21 in.	8 Qt.	1.00	
No. 141	35 in.	16 Qt.	1.50	
No. 146	21 in.	12 Qt.	1.50	
No. 148	35 in.	24 Qt.	2.25	

No. 11	6 in. diam.	1 Pt.	.10	1.00
No. 12	8¼ in. diam.	1 Qt.	.20	2.00

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE



CONE

KEYSTONE

STAR FOUNT

LEADER

SANITARY DRINKING FOUNTS

All our founts open to permit thorough cleansing.

	Capacity	Each	Doz.
Stone Fount	1 Qt.	$.40	$4.00
Stone Fount	2 Qt.	.50	5.00
Stone Fount	4 Qt.	.60	6.00
Stone Fount	8 Qt.	1.00	11.00
Cone Fount	1 Qt.	.35	3.70
Cone Fount	2 Qt.	.45	4.60
Cone Fount	4 Qt.	.65	7.00
Duplex Fount	4 Qt.	1.00	10.50
Duplex Fount	8 Qt.	1.25	13.00
Twin Duplex Fount	8 Qt.	1.50	15.00
Mammoth Twin Duplex	5 Gal.	3.25	

	Capacity	Each	Doz.
Keystone Fount	2 Qt.	.75	8.25
Keystone Fount	4 Qt.	1.00	11.00
Keystone Fount	8 Qt.	1.50	16.50
Leader Fount	1½ Gal.	.85	
Leader Fount	3 Gal.	1.50	
Colony Fount	3 Gal.	1.75	

MASON JAR FOUNTS

(Metal saucers to fit Mason jars)

Star Fount. Rust-resisting metal, **10c** each; Doz., **$1.00**

Aluminum Fount, non-corroding, for feeding buttermilk, **25c** each; 4 for **90c**; Doz., **$2.50.**

PEAT MOSS LITTER

The use of this kind of litter on the floor and dropping boards of a poultry house has several advantages. It keeps the house much drier than other kinds of litter; checks the development and spread of those diseases which are so fatal in a flock, especially with baby chicks; it absorbs the valuable fertilizing elements of the droppings, the combination of the peat and the manure making an excellent fertilizer for use on garden or lawn. Spread evenly to the depth of an inch for chicks, and three or four inches thick for adult fowls. Price, small bale, **$2.00**; large bale, **$3.00**

MISCELLANEOUS GRAIN FEEDS

Qt.	Pk.			Bushel	100 lb. Sack
$.12	.70	Chicken Millet (Yellow)	(50 lb.)	$2.25	4.25
.12	.70	Pigeon Millet (Red)	(50 lb.)	2.25	4.25
.10	.50	Kafir Corn	(56 lb.)	1.50	2.40
.20	1.25	Canada Field Peas	(60 lb.)	3.75	5.80
.15	.80	No. 2 Pigeon Peas	(56 lb.)	2.75	4.40
.15	.70	Russian Sunflower	(25 lb.)	2.00	....
.15	.70	Hemp Seed	(40 lb.)	2.00	4.60
.30	1.65	Canary Seed	(60 lb.)	5.50	....
.20	1.30	Bird Rape	(50 lb.)	4.50	....
.10	.60	Hulled Oats (Oat Groats)	(50 lb.)	1.80	....
.15	.90	Cracked Rice	(70 lb.)	3.25	.....

Special Prices on 1000 lbs. or over

We also carry at our Warehouse a large line of Mill Feeds, all kinds of feeding grains, Lump Rock Salt, Coarse and Fine Salt of every grade and for all purposes.

Prices on application. Orders filled promptly.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

THE CONKEY CHAIN OF BUTTERMILK FEEDS

STARTING FEED WITH Y-O "Y-O" is Yeast & Cod Liver Oil		GROWING MASH	With Y-O	Without Y-O	EGG OR LAYING MASH	With Y-O	Without Y-O
5 lb. package	$.35						
10 lb. package	.60	10 lb. bag	$.50	....	10 lb. bag	....	$.45
25 lb. bag	1.25	25 lb. bag	1.00	....	25 lb. bag	$1.00	1.00
50 lb. bag	2.40	50 lb. bag	1.90	....	50 lb. bag	1.90	1.80
100 lb. bag	4.70	100 lb. bag	3.75	3.50	100 lb. bag	3.75	3.50

Prices on Larger Quantities Quoted on Application

P-T OR CHRISTINA POULTRY FEEDS

Mixed Grains—Whole or Cracked to Proper Size.

	½ Pk. Bag	½ Bu. Bag	50 Lb. Bag	100 Lb. Bag
CHICK FOOD	$.30	$.85	$1.50	$2.85
DEVELOPING FOOD	.30	.85	1.50	2.85
SCRATCH FOOD	.25	.80	1.45	2.80

Prices on Larger Quantities Quoted on Application

UNIVERSAL LAYING MASH

With Meatmeal & Buttermilk

5 lb. bag	$.25
20 lb. bag	.80
50 lb. bag	1.60
100 lb. bag	3.10

GRANULATED CHARCOAL

Sizes: Coarse, Medium & Fine

1 qt. package	$.05
½ pk. package	.15
½ bu. bag	.50
1 bu. bag	.90
50 lb. lined bag	1.50

X-RAY BRAND POULTRY FEED

100 lbs. Chick Grain	$2.80
100 lbs. Scratch Grain	2.75

CROWN PIGEON FEED

½ pk. bag	$.30
½ bu. bag	1.05
50 lb. bag	1.75
100 lb. bag	3.40

SPECIAL PIGEON FEED

Contains No Corn

25 lb. bag	$1.10
50 lb bag	2.10
100 lb. bag	4.00

MISCELLANEOUS FEEDS

	Large Package	25 lb. Bag	50 lb. Bag	100 lb. Bag
Rolled Oats—(Prices on application) 90 lb. bag	....	....	....	....
Cracked Oats—(Prices on Application)	....	....	....	....
Mealed Alfalfa	....	$.85	$1.50	$2.80
Short Cut Alfalfa	$.25	.80	1.40	2.60
H-P Beef Scrap	.25	1.10	2.00	3.90
Fish Meal, high in protein	....	1.10	2.10	4.00
Granulated Bone (about size of wheat)	.25	1.10	2.00	3.80
Sterilized Feeding Bone Meal	....	1.10	2.00	3.80
Crushed Oyster Shell (2 sizes)	.10	.35	.60	.90
Grit (3 sizes)	.10	.35	.60	.90
Blatchford's Calf Meal	....	1.50	2.85	5.50
Digester (Hog) Tankage	....	1.25	2.25	4.25
Flaked or Dry Buttermilk (8 lb. package $1.00)	....	2.75	5.25	10.00
Powdered Sweet Skim Milk (8 lb. package $1.00)	....	2.75	5.25	10.00

Condensed or Semi-Solid Buttermilk (Prices on Application)	1 Gal. Pail	5 Gal. Pail	Keg	½ Bbl.	Bbl.

OLD GRIST MILL PUPPY BISCUITS, 1 lb. carton, $.16; 3 lbs. for $.45; 25-lb. box, $3.00.
OLD GRIST MILL DOG BISCUITS, 1-lb. carton, $.15; 4-lb. package $.50; 25-lb. box, $2.50.
OLD GRIST MILL BROKEN DOG BISCUITS, 25 lbs., $2.20; 50 lbs., $4.20; 100 lbs., $8.25.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE

LICE REMEDIES

Conkey's Head-Lice Ointment, 1 oz., **$.10;** 3 oz., **$.25.**
Conkey's Lice Liquid, 1 qt., **$.60;** 2 qt., **$.90;** 1 gal., **$1.50.**
Conkey's Lice Powder, 15 oz., **$.35;** 48 oz., **$.75.**
Pratt's Lice Powder, 5 oz., **$.12;** 1 lb., **$.25.**
Dr. Hess' Lice Powder, 1 lb., **$.25;** 2½ lbs., **$.50.**
Tobacco Stems, 5 lbs., **$.25;** 25 lbs., **$.75;** Bales, **$1.60** per 100 lbs.
Sulphur Candles, $.15 each; **$1.50** per doz.
Carbola. A disinfecting white paint. Prices on page 16.

CONKEY'S CONDITION POWDERS, REMEDIES, ETC.

Conkey's "Old Reliable" Powder (Roup)	**$.25**	**$.50**	**$1.00**	**$2.35**	**$5.25** (Postpaid)
Conkey's Poultry Pills (Roup)	**.25**	**.50**			(Postpaid)
Conkey's Cholera Remedy	**.25**	**.50**	**1.00**		(Postpaid)
Conkey's Poultry Worm Remedy	**.25**	**.50**			(Postpaid)
Conkey's "Diatex" (Diarrhea Remedy)	**.25**	**.50**	**1.00**		(Postage, 5c extra)
Conkey's "Salvo" (Sorehead Remedy)	**.25**	**.50**			(Postage 5c extra)
Conkey's Scaly Leg Remedy	**.25**				(Postage 5c extra)
Conkey's Salve for Fleas (Sticktights)	**.25**				(Postage 5c extra)
Conkey's Limberneck Remedy		**.50**			(Postage 5c extra)
Conkey's "Balmo" (Canker Remedy)		**.50**			(Postage 5c extra)

Conkey's Noxicide (Disinfectant), 1 pint,**$.50;** 1 qt., **$.80;** 2 qts., **$1.25;** 1 gal., **$2.00;** 5 gals., **$9.00.**
Conkey's Fly Knocker, 1 qt., **$.60;** 2 qts., **$.90;** 1 gal., **$1.50;** 5 gals., **$7.00.**
Conkey's Poultry Tonic (powder), 1½ lbs., **$.25;** 3¼ lbs., **$.50;** 7 lbs., **$1.00.**
Conkey's Y-O (Yeast and Cod Liver Oil) 1 lb., **$.55;** 2 lbs., **$1.00;** 5 lbs., **$2.00;** 25 lbs., **$7.50;** 50 lbs., **$14.00.**
Conkey's Buttermilk Feeds. See page 14.

DR. HESS AND CLARK'S CONDITION POWDERS AND REMEDIES

Dr. Hess Poultry Panamin, (Panacea) 3 lbs., **$.50;** 7 lbs., **$1.00;** 15 lbs., **$2.00;** 25 lbs., **$3.00.**
Dr. Hess Improved Stock Tonic, 5 lbs., **$.75;** 15 lbs., **$2.00;** 25 lbs., **$3.00;** 100 lb. drum, **$10.00.**
Dr. Hess Antiseptic Healing Powder (for sores), **$.25** and **$.50.**
Dr. Hess Heave Powder, $.50.
Dr. Hess Vermitrol Poultry Worm Powder, $.50; $1.25; $2.75.
Dr. Hess Chick Diarrhea Tablets, $.50.
Dr. Hess Poultry Roup Tablets, $.50.
Dr. Hess Dip and Disinfectant, 12-oz. bottle, **$.40;** 1-qt. can, **$.65;** 1 gal., **$1.80.**
Dr. Hess Fly Chaser, ½ gal. can, **$.90;** 1 gal can, **$1.50.**

PRATT'S CONDITION POWDERS AND REMEDIES

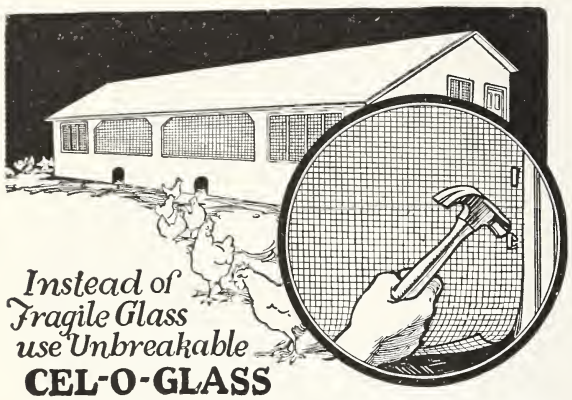
Pratt's Poultry Regulator, 24 oz., **$.25;** 4 lbs., **$.50;** 12-lbs. **$1.40;** 25-lb. pail, **$3.00.**
Pratt's Animal Regulator, $.25. Stock Conditioner,** 6½ lbs., **$.60.
Pratt's Animal Worm Powders, $.50.
Pratt's Chick Diarrhea Tablets, $.25.
Pratt's "R-P" (Roup) Tablets, $.25.

POUL-TOBAC. For round worms in poultry. 2-lb. carton, **$.35;** 10 lbs., **$.75;** 25 lbs., **$1.50;** (postage extra).
BARKER'S SPECIAL POULTRY POWDER, 1½ lbs., **$.30;** 4 lbs., **$.60.**
BARKER'S HORSE AND CATTLE POWDER, 20 oz., **$.30;** 5 lbs., **$1.00.**
KOW KARE (formerly Kow Kure), 1¼ lbs., **$.65;** 2¾ lbs., **$1.25** (Postage extra).
BAG BALM, for sore teats, strictures, etc., **$.60.**
COD LIVER OIL, (U. S. P. Grade), quart, **$.60;** gallon, **$1.65.**
K. R. O. RAT KILLER, (Will not kill domestic animals), 2 oz. pkg.**$.75.**
RAT SNAP (Poison Biscuit), 1 oz., **$.35;** 3 ozs., **$.65;** 7½ ozs., **$1.25** (Postpaid).
GUARDIAN DOG SOAP (Kills fleas, non-poisonous), **$.25** per cake.

GLASS SUBSTITUTES

"CEL-O-GLASS" and "GLASS CLOTH"

Light and strong. Keeps out wind and storms; admits light and warmth, and transmits the valuable ultra violet rays of the sun. Can be cut with shears to any desired shape. Useful for hotbed sash, poultry houses, greenhouses and other buildings. Very serviceable, and if punctured can be repaired. Ask for samples and descriptive circulars.



Galvanized wire cloth covered with a translucent, flexible substance that will not peel or break. Light and strong. **Rolls are 3 feet wide**

100 ft. roll	**$40.50**
50 ft. roll	**20.40**
25 ft. roll	**10.30**

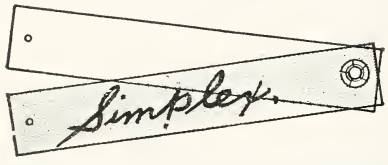
Shorter lengths at 48c lineal ft.

If wanted by parcel post add postage at the rate of 1 lb. per sq. yd.

GLASS CLOTH. A specially processed strong fabric treated to render it transparent. Rolls are 35 inches wide.

300 ft. roll	**$27.00**
150 ft. roll	**14.00**
45 ft. roll	**4.50**

Shorter lengths at 15c lineal ft.



WEATHERPROOF PLANT LABELS

Write desired marking on card with ordinary lead pencil underneath the transparent sheet; copper wires furnished for attaching label.

	Sizes	Doz.	25	50
No. 1.	½x3 inches	$.45	$.85	$1.60
No. 2	¾x4 inches	.70	1.35	2.60
No. 3	1x5 inches	1.00	1.85	3.60

HEXAGON POULTRY WIRE

Cut Lengths				Per Roll
25 ft.	50 ft.	100 ft.	1-in. Mesh	150 ft.
$.60	$1.10	$1.95	12 in. wide	$2.50
.85	1.55	2.85	18 in. wide	3.60
1.05	2.00	3.75	24 in. wide	4.80
1.25	2.30	4.25	30 in. wide	5.50
1.35	2.50	4.70	36 in. wide	6.30
			2 in. Mesh	
.50	.85	1.60	24 in. wide	2.00
.65	1.15	2.20	36 in. wide	2.80
.80	1.50	2.90	48 in. wide	3.70
1.10	1.95	3.70	60 in. wide	4.60
1.25	2.30	4.40	72 in. wide	5.50

(One pound staples free with each full roll of wire)

GALVANIZED STAPLES, 10 cents per lb.

LEG BANDS FOR POULTRY

Celluloid bands in a variety of colors; not numbered. Aluminum bands in colors and numbered. Easily attached and secure. Always state breed of fowl on which bands are to be used.

	Doz.	25	50	100
Celluloid Bands	$.10	$.20	$.30	$.50
Aluminum, natural	.10	.20	.30	.50
Aluminum, in colors	.10	.20	.35	.65
Aluminum Pigeon Bands	.10	.20	.30	.50

MARKING PUNCHES

Philadelphia Punch	$.25 (or $.30 postpaid)
Pettey's Punch	.25 postpaid
Ideal Punch	.50 postpaid

KNIVES FOR KILLING POULTRY

Made of instrument steel; several patterns.

50 cents each; 60 cents postpaid

GAPE WORM EXTRACTORS

A simple and efficient instrument

25 cents each; 30 cents, postpaid

CHINA NEST EGGS 30c Per Doz.

ROUND ROD SHIPPING COOPS

Extra Height	Made of hard wood	
Chicken Size	14 inches high	$1.90
Turkey Size	20 inches high	2.25

Special price on 10 or more coops

CARBOLA

A powdered white mineral paint combined with a powerful germicide. Kills parasites and disease germs. Better than whitewash. Simply mix with water to the consistency of whitewash and apply with brush or spray pump.

5 lb package	$.75
10 lb. package	1.25
25 lb. bag	2.75
50 lb. bag	5.00

A Beautiful Lawn

is obtained only by much thought and a great deal of careful attention over a period of years. In making a new lawn the first step is a thorough preparation of the ground. It should be turned to a depth of six or eight inches. If the soil is of a heavy character there should be applied a dressing of humus, granulated peat moss or like material, and if there is indication of a sour or acid condition make an application of lime; these are then mulched in during the further working to break up the ground. Finally go over it several times in different directions with a steel-tooth rake until the soil is pulverized to a depth of two or three inches. During this pulverizing process is the time to work in a fertilizer; we recommend bone meal or sheep manure, or a mixture of the two. (Stable manure should never be used on lawns as it is a prolific source of weed seed).

The ground is now ready for the seed which should be sown as evenly as possible, selecting a time when there is little or no breeze stirring; tamp or roll lightly in order to "set" the seed and sprinkle moderately each day when this is not obtained from showers. Sow during March or April and in September or October at the rate of 5 Qts. per 1000 sq. ft., or 6 Bu. per acre.

Use the best seed obtainable. If a ready mixed seed is used do not let price be the determining factor; mixtures can be sold at a wide range of prices dependent on the grade of seed and the varieties used. Grass seeds have been a matter of careful study on our part for some years. We carry in stock a number of varieties, carefully selected for purity and germination. Our grass seed mixtures are made up of kinds especially adapted to the purposes for which they are to be used.

The established lawn will need attention from time to time in order to keep a good sod. The roots need food and this should be supplied by the application of a top dressing once or twice a year; bone meal or sheep manure, or a mixture of the two with the addition of 10% of Sulphate of Ammonia makes a very excellent dressing, applying 30 lbs. per 1,000 sq. ft., or 1,200 lbs. per acre. Maintain a thick setting of grass by reseeding wherever thin places develop. This is one of the best ways to discourage the growth of weeds and obnoxious grasses.

A list of grass seeds and mixtures will be found on page 5, and on page 8 will be found fertilizers and soil conditioners listed, together with a table suggesting the quantities to be used.

SEEDING SCHEDULE
of
FIELD SEED

	Weight Per Bus.	Quantity Per Acre	Time of Seeding
Barley	48	2 Bu.	April-June
Blue Grass, standard	14	4 Bu.	Apr.-June Aug.-Sept.
Blue Grass, fancy	20	1½ to 2 Bu.	Apr.-June Aug.-Sept.
Buckwheat	48	1 to 1½ Bu.	May-June
Cane, Sorghum	50	1 Bu.	May-June
Corn	56	8 Qts.	May-June
Corn, Ensilage	56	20 Qts.	May-June
Corn, Sweet	45	10 Qts.	May-July
Clover, Alfalfa	60	12 Qts.	Apr.-May Aug.-Sept.
Clover, Alsike	60	4 Qts.	Feb.-June Aug.-Nov.
Clover, Crimson	60	8 to 10 Qts.	July-Sept.
Clover, Red	60	4 to 6 Qts.	Feb.-Apr. Aug.-Nov.
Clover, Sweet	60	8 to 12 Qts.	Apr.-May Aug.-Sept.
Clover, White	60	3 Qts.	Apr.-June Aug.-Oct.
Kafir	56	16 Qts.	May-June
Meadow Fescue	14	2 Bu.	Apr.-May Aug.-Sept.
Millet, Golden	50	1 Bu.	May-July
Millet, Hungarian	48	1 Bu.	May-July
Oats	32	2 Bu.	March-May
Orchard Grass	14	2 Bu.	Apr.-May Aug.-Sept.
Peas, Canada, broadcast	60	2 Bu.	Feb.-April
Peas, Canada, drilled	60	1½ Bu.	Feb.-April
Peas, Cow, broadcast	60	1½ Bu.	May-Aug.
Peas, Cow, drilled	60	1¼ Bu.	May-Aug.
Permanent Pasture	25	1 to 2 Bu.	Apr.-June Aug.-Sept.
Rape, Dwarf Essex	50	4 Qts.	April-Aug.
Red Top, fancy	32	16 Qts.	Apr.-June Sept.-Nov.
Red Top, standard	14	2 Bu.	Apr.-June Sept.-Nov.
Rye, Winter	56	1½ Bu.	Sept.-Nov.
Rye Grass	25	1½ Bu.	Apr.-June Aug.-Oct.
Soy Beans, broadcast	60	1 to 1½ Bu.	May-Aug.
Sudan	50	16 Qts.	Apr.-June
Timothy	45	6 to 8 Qts.	Apr.-June Aug.-Nov.
Timothy and Clover:			
Timothy		6 Qts.	
Clover		2 Qts.	
Vetch, Spring	60	1 Bu.	March-May
Vetch, Winter	60	½ Bu.	Aug.-Nov.
Wheat	60	2 Bu.	Sept.-Oct.